

Listing of Claims:

1. (Previously Presented) An electronic service transaction apparatus, comprising:

a computer peripheral device having a communication link with an electronic service site; and

a messaging system configured to communicate between the computer peripheral device and the electronic service site and operative to enable sending and receiving of at least one of messages and information between the computer peripheral device and the electronic service site,

wherein the communication link connects the computer peripheral device with the Internet, and the computer peripheral device is configured to initiate an electronic service transaction with the electronic service site through self-access of the messaging system.

2. (Original) The apparatus of claim 1 wherein the computer peripheral device comprises an embedded web server, and wherein the embedded web server forwards a request for an electronic service to the electronic service site from the computer peripheral device via the messaging system.

3. (Original) The apparatus of claim 1 wherein the computer peripheral device comprises a messaging system that enables initiation of an electronic service transaction from an electronic service site.

4. (Original) The apparatus of claim 1 wherein the communication link comprises an electronic communication link provided by a mail client of the computer peripheral device that enables a user to submit an e-mail order using a mail program from the computer peripheral device to an external provider of electronic services.

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5. (Previously Presented) The apparatus of claim 1 wherein the messaging system comprises an e-mail system including a mail program operative to enable sending and receiving of at least one of messages and information between the computer peripheral device and an external electronic service site.

6. (Original) The apparatus of claim 1 wherein the messaging system comprises a dedicated Internet connection.

7. (Original) The apparatus of claim 1 wherein the computer peripheral device connects with an external server via the Internet, the computer peripheral device accesses a document on the external server to render a web page, and the electronic service transaction comprises sending a URL for the document to the electronic service, and receiving a print stream from the external server for the document.

8. (Original) The apparatus of claim 1 wherein the computer peripheral device automatically generates a consumable order message in response to the computer peripheral device detecting a need to replenish a consumable and further forwards a notification to a consumable order web site on an external web server indicating a need to replenish the consumable.

9. (Original) The apparatus of claim 1 wherein the computer peripheral device comprises a printer connected with the Internet via the communication link, wherein a user accesses a document on the Internet via the printer and prints the document using the printer.

10. (Previously Presented) A computer peripheral device, comprising:
an output engine;
a transaction execution subsystem communicating with the output engine;

a communication interface communicating with the transaction execution subsystem; and

processing circuitry communicating with the transaction execution subsystem and operative to initiate an electronic services transaction through self-access from the transaction execution subsystem using the communication interface via an external network with an electronic services provider.

11. (Original) The computer peripheral device of claim 10 wherein the output engine comprises a print engine communicating with the transaction execution subsystem.

12. (Original) The computer peripheral device of claim 10 wherein the communication interface comprises a user interface of a computer peripheral device.

13. (Original) The computer peripheral device of claim 10 wherein the transaction execution subsystem comprises an embedded web server.

14. (Previously Presented) The computer peripheral device of claim 13 wherein the processing circuitry is provided by a central processing unit (CPU), and the CPU is further operative to carry out an e-services transaction using the transaction execution subsystem of the computer peripheral device.

15. (Previously Presented) A method of initiating an electronic services transaction, comprising:

providing a computer peripheral device having a communication link with an electronic service site and an interface system for initiating an electronic service transaction between the computer peripheral device and the electronic service site;

detecting a need to initiate an electronic computer peripheral servicing transaction from the computer peripheral device with an external electronic service site; and

initiating the electronic computer peripheral servicing transaction in response to the detected need using the computer peripheral device.

16. (Original) The method of claim 15 wherein the computer peripheral device comprises an embedded web server, the electronic service site comprises a site web server and the communication link comprises an Internet messaging system extending between the computer peripheral device and the site server.

17. (Original) The method of claim 15 wherein detecting a need for an electronic services transaction comprises receiving a user input at a user interface of a computer peripheral device that initiates an e-services transaction.

18. (Original) The method of claim 15 wherein the computer peripheral device comprises a printer.

19. (Original) The method of claim 18 wherein detecting a need for an electronic services transaction comprises detecting a need to order toner.

20. (Original) The method of claim 18 wherein the printer completes an electronic services transaction with the electronic service site.

21. (Previously Presented) The apparatus of claim 1, wherein self-access of the messaging system is via at least one of a self-initiated wake-up, a timed event, a polled event and a trigger state.

22. (Previously Presented) The apparatus of claim 1, wherein the electronic service transaction includes sending information related to one or more maintenance needs of the computer peripheral device to the electronic service site.

23. (Previously Presented) The device of claim 10, wherein self-access by the processing circuitry is via at least one of a self-initiated wake-up, a timed event, a polled event and a trigger state.

24. (Previously Presented) The method of claim 15, wherein initiating the electronic computer peripheral servicing transaction is through self-access by the computer peripheral device.

25. (Previously Presented) The method of claim 15, wherein self-access by the computer peripheral device is via at least one of a self-initiated wake-up, a timed event, a polled event and a trigger state.